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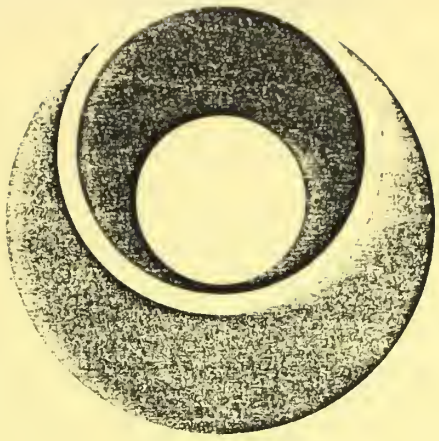

C-b Shale Oil Venture

Socio-Economic Monitoring Report

Number Two
(Quarterly Report)
November 30, 1978

TN
859
.C64
C3744
no.2
c.2

Development Associates, Inc.
700 BROADWAY • UNITED BANK CENTER • DENVER, COLORADO • 80209 — (303) 861-9428

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This is the second report which provides selected information on the C-b project workforce. The data for the report was collected through a questionnaire given to those employed at the C-b site. Completed surveys are available from 60% of the current workforce, therefore the statistics used in this report are estimates rather than actual numbers.

The C-b Workforce

The workforce reached a high in September of about 375. The workforce level at the end of November, 1978 was 282. The decrease of about 18 workers, since the July Monitoring Report, which indicated approximately 300 employees, is a temporary condition due to completion of the shaft headframes. The number of workers will increase again in January when shaft sinking resumes. About 90 percent of the workers still hold construction or temporary jobs at the site, while only 10 percent of the workers are considered permanent. Figure A shows the actual workforce as it compares to the projected workforce.

The majority (51.8%) of the worker's surveyed reside in Rifle. Table I shows the place of residence of the workers surveyed. A comparison of the place of residence of employees as shown in this report with that shown in the first monitoring report indicates that the percentage of employees living in Rifle and Silt has decreased whereas the percentage in Meeker has remained the same.

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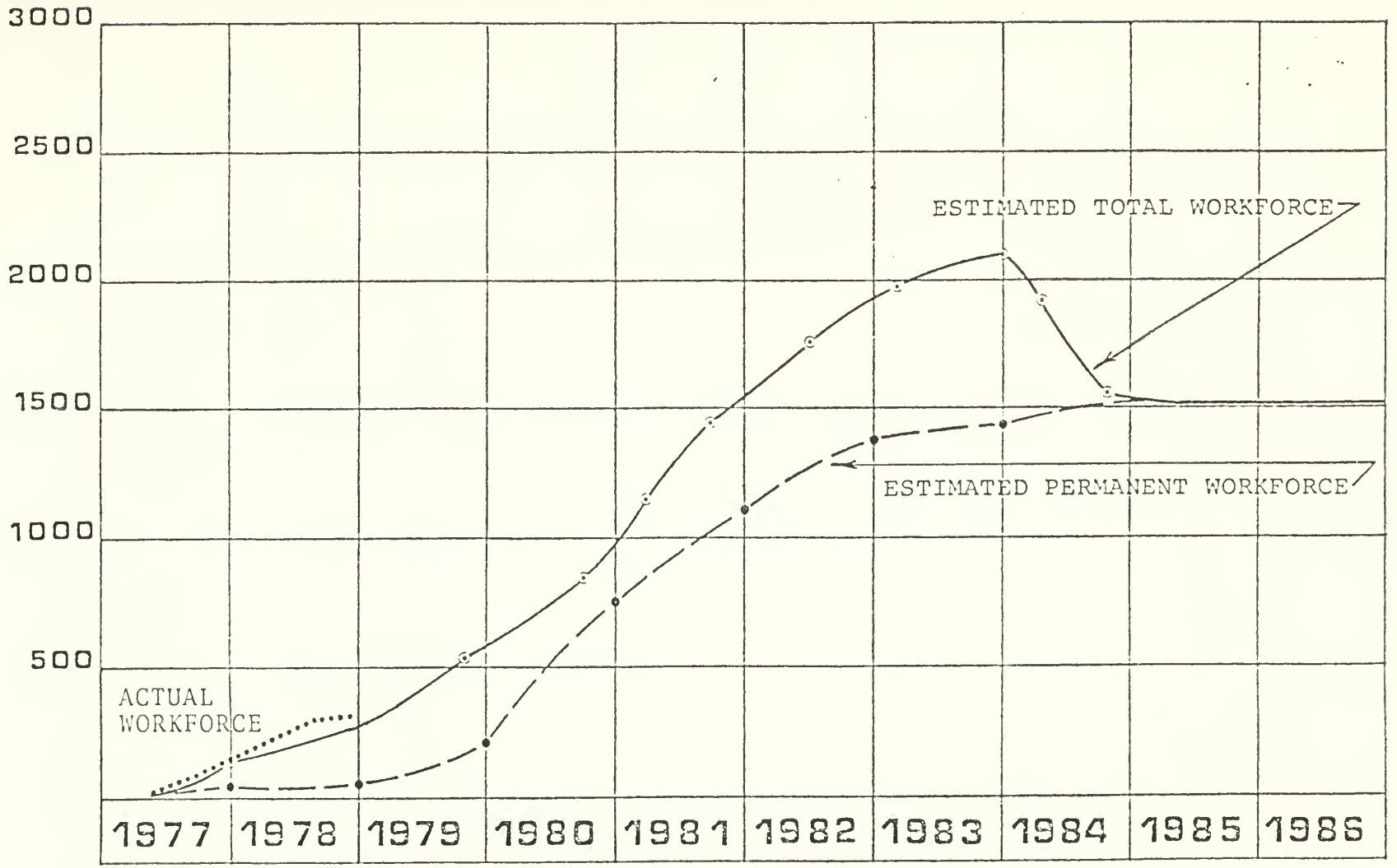
C-b Shale Oil Venture



OCCIDENTAL OIL SHALE PROCESS PROJECT MANPOWER ESTIMATE

FIGURE A

TABLE I

PLACE OF RESIDENCE

Community	Percent of C-b Work-force Residing there July, 1978 (N = 296)	Percent of Workers Surveyed, Residing there, Nov., 1978 (N = 168)
Rifle	54.7	51.8
Grand Junction Area	6.4	13.1
Meeker	7.1	7.1
Silt	10.1	5.4
Glenwood Springs	4.1	3.6
Rangely	.7	2.4
New Castle	4.7	2.4
Craig	-	1.8
Grand Valley	3.4	-
Piceance Creek	1.7	-
Denver Area	1.0	-
Other West Slope	5.1	2.4
Outside State	1.0	2.9
Unknown	-	7.1
	100.0%	100.0 %

Most of the workers are residing in these communities on a full time basis, while 15.5 percent indicated they live in a community close to the C-b site on weekdays and return to their permanent residence on weekends.

Approximately 62 percent of the workers responding have lived in their present home less than a year, while the other 38 percent have resided at their present location for over one year. Over

half of the workers who live in Rifle, Meeker, and Glenwood are newcomers to those communities. Table II indicates the percentage of employees in each community according to the length of their residence.

TABLE II

LENGTH OF RESIDENCE

Community	Percent of C-b Work-force Residing there More than One Year	Percent of Workers Residing there less than One Year	
Rifle	21.8	78.2	100%
Grand Junction	68.2	31.8	100%
Meeker	33.3	66.6	100%
Silt	88.8	11.1	100%
Glenwood	50.0	50	100%
All Other Communities	46.9	53.1	100%

The median age of the employees is 28. About seventy percent of the workforce surveyed were married. For those employees living in Rifle and Meeker, the percentage married is greater than it is for the total workforce, but it should be noted that many of those employees have not brought their families with them. Table III indicates the percentage of workers, married and single, surveyed according to place of residence. The average family size for the married workers surveyed was 3.3, or an average of 1.3 children per family.

Of those employees living in Rifle less than a year, 40 percent have their families living with them. The new residents in Rifle

have brought an average of 1.1 school children per family.

When asked to state if they were planning to move their families into the area, 20 of the workers showed they were planning to move their spouses to Rifle, bringing with them 21 school age children. Therefore, based on the return of the questionaire from 60% of the workforce, it is estimated that a total of 25 of the workers will move their spouse to Rifle with 28 school age children.

In Meeker, 85 percent of the employees responding to the survey living there less than a year, have their families living with them. These employees have brought four school age children to the community within the last year.

TABLE III
MARITAL STATUS OF WORKFORCE

Community	Percent Married	Percent Single	
Rifle	72.4	27.6	100%
Grand Junction Area	54.5	45.5	100%
Meeker	75	25	100%
Silt	66.6	33.3	100%
Total of Workers Surveyed	69.6	30.4	100%

Type of Residence of The Workforce

Table IV lists the percentages of the workforce in various types of residences. In Meeker, Grand Junction and Silt a greater percentage of residents are living in houses than in any other type of residence. In Rifle, the largest percentage of the workforce is living in apartments. When asked to state what type of residence the workers preferred, the majority indicated single family housing. Table V shows the preferences, in detail.

TABLE IV

TYPE OF RESIDENCE OF WORK FORCE

Type of Residence	% of Total Workforce	% of Residents Rifle	% of Residents Grand Junction	% of Residents Meeker	% of Residents Silt
Own House	23	18.4	29.4	33.3	22.2
Rent House	15.8	6.8	29.4	16.6	55.5
Own Mobile Home	14.5	14.9	17.6	8.3	11.1
Rent Mobile Home	10.3	10.3	5.8	16.6	11.1
Apartment	28.5	37.9	11.8	25	0
R.V./Camper	5.4	8	5.8	0	0
Motel	2.4	3.4	0	0	0
	100 %	100 %	100 %	100 %	100 %

TABLE V

HOUSING PREFERENCES OF THE WORKFORCE

Type	Percent Responding
House	60.4
Apartment	22.9
Mobile Home	16.6
	100 %

Monthly figures provided by local realtors in Rifle and Meeker give an indication of the housing availability and cost in the communities. Table VIII indicates the housing availability in Rifle. In Rifle, the median unit price increased 12% for new

housing and 6% for old units during the three months from September to November. The median cost of residential lots for sale increased 33% from September to November.

TABLE VIII

RIFLE HOUSING AVAILABILITY REPORT

	September	October	November
No. New Units for sale	12	14	11
Median Unit Price	$59,000	$64,557	$66,180
Average weeks offered	6 weeks	7 weeks	5 weeks
No. Old Units for sale	24	28	23
Median Unit Price	$56,500	$57,100	$60,000
Average weeks offered	5 weeks	12 weeks	14 weeks
No. Resident Lots for sale	48	55	17
Median Lot Price	$12,200	$16,250	$16,250
No. Houses for Rent	None	None	None
No. Apartments for Rent	1	6	None
Median Rental	$ 425	$ 366	

Source: Leo Swartzendruber, Rifle Realty, Inc.

In Meeker, estimates of housing availability were provided by Bob Cox, Home Loan Officer at the First National Bank, who indicated that during the first half of November, average new homes were selling in the range of $47,500 to $52,000. Resident lots with water and sewer taps were selling in the range of $15,500 to

$17,500. Apartments for rent were very limited, with some two bedroom apartments renting for $350 to $400. There were no known mobile home spaces available.

Recreational Activities of the Workforce

When asked what type of recreational activities they participate in regularly, the employees indicated 72 different activities. Hunting, fishing and skiing were mentioned most frequently as recreational activities of both the employee and his or her family. Table IX shows the frequency of responses.

TABLE IX

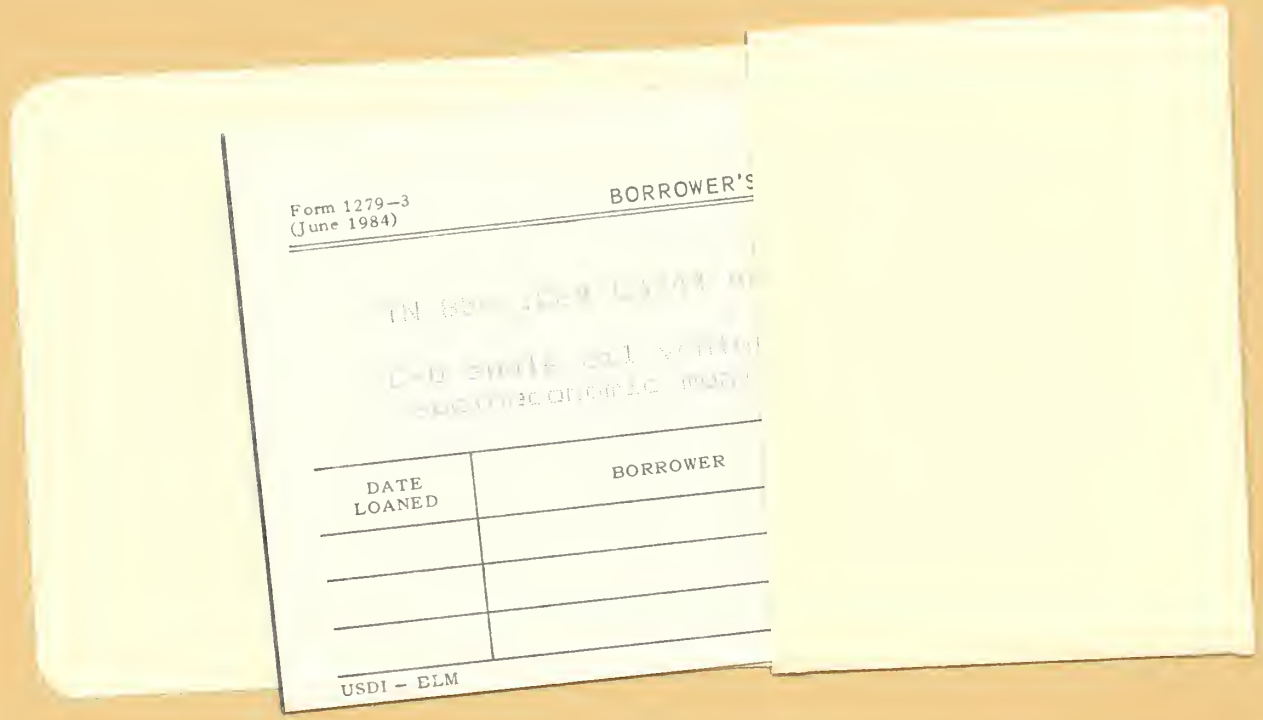
RECREATIONAL ACTIVITIES

Activity	Percentage of Responses (N = 462)*
Hunting	22%
Fishing	22
Skiing	8
Camping	4
Bowling	3
Softball/Baseball	3
Swimming	3
Tennis	2
Basketball	2
Motorcycles/Dirtbikes	2
Horseback Riding	2
Drinking/Partying	2
All Others (Less than 2% Responding)	24

* Percent does not total 100% due to multiple response

The Typical C-b Employee

During the fall of 1978, the "typical" C-b employee was a 28 year old, married man. He lived in Rifle with his wife and child. He is a new resident in the community and paid $360 per month for his apartment. When he was not working, he enjoyed hunting and fishing.



Form 1279–3
(June 1984)

BORROWER'S

DATE LOANED	BORROWER

USDI – BLM